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PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an "Official Journal" to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

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APPLICATIONS RECEIVED

JANUARY 1, 1992 TO MARCH 31, 1992

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL.	VARIETY	NO.	GEN. (*)	APPL. DATE	NAME OF APPLICANT
ALFALFA 9200114	Viking I			03/05/1992	Northrup King Company
BARLEY 9200113	WestBred Medallion		(*)	03/05/1992	Western Plant Breeders, Inc.
BEAN, FIELD 9200069	Foxfire			01/17/1992	Rogers NK Seed Co.
9200131	<37-16>		(3)	03/19/1992	Sacramento Valley Milling, Inc.
BEAN, GARDEN 9200116	DMC 04-04			03/09/1992	Del Monte Corporation
9200117	DMC 04-34			03/09/1992	Del Monte Corporation

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

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APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, GARDEN (Continued)				
9200118	DMC 04-94		03/09/1992	Del Monte Corporation
9200119	DMC 06-01		03/09/1992	Del Monte Corporation
9200120	DMC 06-39		03/09/1992	Del Monte Corporation
9200121	DMC 08-52		03/09/1992	Del Monte Corporation
9200134	Mirada		03/20/1992	Rogers NK Seed Co.
9200135	Wax Romano 82264		03/13/1992	Rogers NK Seed Co.
9200140	Envy		03/24/1992	Ferry-Morse Seed Company
BERMUDAGRASS				
9200138	Sundevil		03/24/1992	Jacklin Seed Company
9200139	Tropica		03/24/1992	Jacklin Seed Company

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BLUEGRASS, KENTUCKY 9200126	NuBlue		03/12/1992	Jacklin Seed Company
9200127	NuStar		03/12/1992	Jacklin Seed Company
9200129	Unique		03/10/1992	Pure-Seed Testing, Inc.
BLUEGRASS, SUPINA 9200065	Supranova		01/13/1992	Saatzucht Steinach GmbH.
CLOVER, RED 9200068	Renegade		01/14/1992	International Seeds Inc.
CORN, FIELD 9200059	CS405		01/07/1992	United AgriSeeds, Inc.
9200060	MQ305		01/07/1992	United AgriSeeds, Inc.
9200061	NQ508		01/07/1992	United AgriSeeds, Inc.

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

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APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
CORN, FIELD (Continued)				
9200062	OQ101		01/07/1992	United AgriSeeds, Inc.
9200063	OQ403		01/07/1992	United AgriSeeds, Inc.
9200064	OS602		01/07/1992	United AgriSeeds, Inc.
9200078	PHBA6		01/31/1992	Pioneer Hi-Bred International, Inc.
9200079	PHBW8		01/31/1992	Pioneer Hi-Bred International, Inc.
9200080	PHDD6		01/31/1992	Pioneer Hi-Bred International, Inc.
9200081	PHGG7		01/31/1992	Pioneer Hi-Bred International, Inc.
9200082	PHGV6		01/31/1992	Pioneer Hi-Bred International, Inc.
9200083	PHGW7		01/31/1992	Pioneer Hi-Bred International, Inc.

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
CORN, FIELD (Continued)				
9200084	PHV4		01/31/1992	Pioneer Hi-Bred International, Inc.
9200085	PHK74		01/31/1992	Pioneer Hi-Bred International, Inc.
9200086	PHN18		01/31/1992	Pioneer Hi-Bred International, Inc.
9200087	PHP85		01/31/1992	Pioneer Hi-Bred International, Inc.
9200088	PHPR5		01/31/1992	Pioneer Hi-Bred International, Inc.
9200089	PHR30		01/31/1992	Pioneer Hi-Bred International, Inc.
9200090	PHR31		01/31/1992	Pioneer Hi-Bred International, Inc.
9200091	PHT47		01/31/1992	Pioneer Hi-Bred International, Inc.
9200092	PHT69		01/31/1992	Pioneer Hi-Bred International, Inc.

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
	CORN, FIELD (Continued)			
9200093	PHT73		01/31/1992	Pioneer Hi-Bred International, Inc.
9200094	PHTM9		01/31/1992	Pioneer Hi-Bred International, Inc.
9200095	PHV53		01/31/1992	Pioneer Hi-Bred International, Inc.
9200096	PHVA9		01/31/1992	Pioneer Hi-Bred International, Inc.
9200097	PHWG5		01/31/1992	Pioneer Hi-Bred International, Inc.
9200122	CS608		03/09/1992	United AgriSeeds, Inc.
9200123	904		03/09/1992	Northrup King Company
	FESCUE, TALL			
9200132	Bonanza II		03/17/1992	Pure-Seed Testing, Inc.
9200133	Virtue		03/17/1992	Pure-Seed Testing, Inc.

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
LETTUCE				
9200142	Magnum		03/30/1992	Arthur Yates & Co. Pty. Ltd
NIEREMBERGIA				
9200106	Nierembergia Mont Blanc	(1)	02/24/1992	American Takii, Inc.
ORCHARDGRASS				
9200128	Hayking II		03/11/1992	Snow Brand Seed Company
PEA				
9200099	<XP C268>		02/03/1992	Asgrow Seed Company
9200100	<XP F237>		02/03/1992	Asgrow Seed Company
9200101	Arise		02/03/1992	Asgrow Seed Company
9200102	Encore		02/03/1992	Asgrow Seed Company
9200103	Filly		02/03/1992	Asgrow Seed Company

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
PEA (Continued)				
9200104	Laser		02/03/1992	Asgrow Seed Company
9200136	<HP758-8-6>		03/23/1992	Rogers NK Seed Co.
9200137	<HP68-4-4-2>		03/23/1992	Rogers NK Seed Co.
PEANUT				
9200066	127	(3)	01/13/1992	AgraTech Seeds Inc.
9200115	Marc I	(3)	02/18/1992	Florida Agricultural Experiment Station
PHLOX, ANNUAL				
9200098	Palona Violet With Eye		02/03/1992	Zaadunie B.V.
RICE				
9200125	Yumeakaori		03/12/1992	Mitsubishi Kasei Corporation Mitsubishi Corporation

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
RYEGRASS, PERENNIAL 9200141	Gettysburg		03/30/1992	Jonathan Green & Sons, Inc. Cascade International Seed Co.
SOYBEAN 9200067	Hartz Variety H5240		01/14/1992	Jacob Hartz Seed Company, Inc.
9200070	DP 3627		01/16/1992	Delta & Pine Land Company
9200074	Corsica	(3)	01/22/1992	Maryland Agricultural Experiment Station
9200075	Manokin	(3)	01/22/1992	Maryland Agricultural Experiment Station
9200076	KS4390	(3)	01/23/1992	Kansas Agricultural Experiment Station
9200077	KS5292	(3)	01/23/1992	Kansas Agricultural Experiment Station
9200105	HSC 623		02/05/1992	Helena Chemical Company

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
SOYBEAN (Continued)				
9200112	S59-60		03/06/1992	Northrup King Co.
VINCA				
9200107	Tropicana Apricot		02/26/1992	The University of Connecticut
9200108	Tropicana Blush		02/26/1992	The University of Connecticut
9200109	Tropicana Bright Eye		02/26/1992	The University of Connecticut
9200110	Tropicana Pink		02/26/1992	The University of Connecticut
9200111	Tropicana Rose		02/26/1992	The University of Connecticut
WATERMELON				
9200130	<NV 4317>		03/13/1992	Rogers NK Seed Co.
WHEAT, COMMON				
9200071	Mallard	(3)	01/16/1992	AgriPro Biosciences Inc.

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APPLICATIONS RECEIVED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
WHEAT, COMMON (Continued)				
9200072	Savannah	(3)	01/16/1992	AgriPro Biosciences Inc.
9200073	Sawyer	(3)	01/16/1992	AgriPro Biosciences Inc.
9200124	FFR 555W		03/09/1992	FFR Cooperative

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APPLICATIONS AMENDED

JANUARY 1, 1992 TO MARCH 31, 1992

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Information concerning the varieties below has been published previously in the "Official Journal's" list of APPLICATIONS RECEIVED. During the examination process, the applicant requested this information be amended as indicated below.

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, GARDEN				
8800110	<BBIL 156-2-3-6>		03/09/1988	Rogers NK Seed Co.
	Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
8800112	Wax 216		03/09/1988	Rogers NK Seed Co.
	Variety with temporary designation of <Wax 79-216> named 'Wax 216'. Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			
9000104	Bush Romano 350		02/23/1990	Rogers NK Seed Co.
	Variety with temporary designation of <Romano 81350> named 'Bush Romano 350'. Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.			

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APPLICATIONS AMENDED

JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
BEAN, GARDEN (Continued)				
9000127	Kentucky Blue		03/26/1990	Rogers NK Seed Co.
9000201	Duchess		06/06/1990	Rogers NK Seed Co.
9100041	Gentry		12/07/1990	Rogers NK Seed Co.
Name of owner changed from Rogers Brothers Seed Company to Rogers NK Seed Co.				
BLUEGRASS, KENTUCKY				
8900052	Limousine	(2)	12/08/1988	Deutsche Saatveredelung Lippstadt - Bremen GmbH
Variety with temporary designation of <Limousine> named 'Limousine'.				
CORN, FIELD				
9100084	Lp215D		01/30/1991	Wilson Seeds, Inc.
Name of owner changed from Wilson Hybrids, Inc. to Wilson Seeds, Inc.				

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APPLICATIONS AMENDED
JANUARY 1, 1992 TO MARCH 31, 1992

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APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
LETTUCE				
9000025	Zenith		11/14/1989	Bruce Church, Inc.
	Variety name changed from 'Summit' to 'Zenith'.			
9200051	Western Red Leaf		12/26/1991	Brinker Orsetti Seed Co., Inc.
	Name of variety changed from 'Western Red II' to 'Western Red Leaf'.			
RAPE				
9100194	Printol	(2)	06/10/1991	Cargill, Inc.
	Variety with temporary designation of <MLCP009> named 'Printol'.			
SOYBEAN				
9000214	H7190		06/27/1990	Jacob Hartz Seed Company, Inc.
	Name of variety changed from 'Hartz Variety H7190' to 'H7190'.			

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APPLICATIONS AMENDED
JANUARY 1, 1992 TO MARCH 31, 1992

APPL. NO.	VARIETY	GEN. (*)	APPL. DATE	NAME OF APPLICANT
9000225	H639		07/16/1990	Jacob Hartz Seed Company, Inc.

Name of variety changed from 'Hartz Variety H639' to 'H639'.

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APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
JANUARY 1, 1992 TO MARCH 31, 1992

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Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

KIND	APPL. NO.	VARIETY
BEAN, GARDEN	8800107	Colt
BEAN, GARDEN	8800108	Minigreen
BEAN, GARDEN	8800109	McHarvest
BEAN, GARDEN	8900246	Omega
CAULIFLOWER	8900171	White Diamond
COTTON	9000120	<CPCSD Acala C-37>
RAPE	8800137	<LD 9922>
RYEGRASS, ANNUAL	8900275	Concord
SOYBEAN	8900150	HS 4011
SOYBEAN	9000191	FFR 606

< > Identifies temporary designations.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	GEN.	ISSUE DATE	NAME OF OWNER
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BARLEY

8900090 B2601 (3) 02/28/1992 Busch Agricultural Resources, Inc.
'B2601' is most similar to 'B1603'; however, 'B2601' has semismooth lemma awns and short rachilla hairs, whereas 'B1603' has rough lemma awns and long rachilla hairs. 'B2601' has very erect head carriage at maturity and its glume hairs are confined to a band whereas 'B1603' has seminodding heads at maturity and hairs completely cover its glumes.

BEAN, FIELD

8900190 D83043 02/28/1992 Rogers NK Seed Co.
'D83043' is most similar to 'Seafarer'; however, 'D83043' has a type IIB plant habit, whereas 'Seafarer' has a IA plant habit. Also, 'D83043' has longer pods on the average than does 'D83043' (109 vs 86 mm respectively).

BEAN, GARDEN

8900039 Derby 02/28/1992 Ferry-Morse Seed Company
'Derby' is most similar to 'Hystyle'; however, 'Derby' has white seeds, whereas 'Hystyle' has green seeds due to persistence of chlorophyll, this being a condition induced by the PGG gene. Also, 'Derby' has longer (by 0.5-1.8 cm) pods than has 'Hystyle'.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN (Continued)				
8900151	Acclaim		01/31/1992	Asgrow Seed Company
	'Acclaim' is most similar to 'Eagle'; however, 'Acclaim' is resistant to <u>Pseudomonas syringae pv phaseolicola</u> (halo blight), whereas 'Eagle' is susceptible.			
8900153	Magnum		01/31/1992	Asgrow Seed Company
	'Magnum' is most similar to 'Greencrop'; however, 'Magnum' has brown seeds and is resistant to bean common mosaic virus, whereas 'Greencrop' has white seeds and is susceptible to bean common mosaic virus.			
8900164	Legion		01/31/1992	Asgrow Seed Company
	'Legion' is most similar to 'Labrador'; however, 'Legion' has medium green pods and is susceptible to <u>Colletotrichum lindemuthianum</u> (anthracnose), whereas 'Labrador' has dark green pods and is resistant to that pathogen.			
8900165	Mustang		01/31/1992	Asgrow Seed Company
	'Mustang' is most similar to 'Bronco'; however, the seeds of 'Mustang' are brown, whereas the seeds of 'Bronco' are white.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN (Continued)				
8900199	Crest		01/31/1992	Asgrow Seed Company
	'Crest' is most similar to 'Bush Blue Lake 47'; however, 'Crest' is resistant to <u>Pseudomonas syringae</u> pv <u>phaseolicola</u> (halo blight), whereas 'Bush Blue Lake 47' is susceptible.			
9000056	Espada		02/28/1992	Harris Moran Seed Company
	'Espada' is most similar to 'Labrador'; however, 'Espada' is resistant in foliage and pod to race 2 of <u>Pseudomonas phaseolicola</u> (halo blight), whereas 'Labrador' is susceptible to that pathogen.			
9000057	Satin		02/28/1992	Ferry-Morse Seed Company
	'Satin' is most similar to 'Gitana Pros'; however, 'Satin' is resistant only to the beta and gamma races of <u>Colletotrichum lindemuthianum</u> (anthracnose), whereas 'Gitana Pros' is resistant to these races and to the alpha and delta races.			
9000085	Opus		03/31/1992	Asgrow Seed Company
	'Opus' is most similar to 'Podsquad'; however, 'Opus' is uniform and stable for small pustule resistance to race 38 of <u>Uromyces phaseoli</u> (rust), whereas 'Podsquad' is segregating for resistance to this race of the pathogen.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN (Continued)				
9000086	Wrangler		02/28/1992	Asgrow Seed Company
	'Wrangler' is most similar to 'Podsquad'; however, 'Wrangler' has brown seeds, whereas 'Podsquad' has white seeds.			
	'Wrangler' is also similar to 'Opus'; however, 'Wrangler' has brown seeds, whereas 'Podsquad' has white seeds.			
9000127	Kentucky Blue		02/28/1992	Rogers NK Seed Co.
	'Kentucky Blue' is most similar to 'Kentucky Wonder' and 'Minidoka'; however, 'Kentucky Blue' differs from 'Kentucky Wonder' in seed color (white vs brown respectively), and from 'Minidoka' by developing a light suture string, whereas 'Minidoka' has no suture string.			
9000201	Duchess		01/31/1992	Rogers NK Seed Co.
	'Duchess' is most similar to 'Slenderette'; however, 'Duchess' has brown seeds, whereas the seeds of 'Slenderette' are white.			
9100041	Gentry		02/28/1992	Rogers NK Seed Co.
	'Gentry' is most similar to 'Labrador'; however 'Gentry' has the "Are" gene for resistance to Colletotrichum lindemuthianum (anthracnose), whereas 'Labrador' does not.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN (Continued)				
9100178	Seville		02/28/1992	Rogers NK Seed Co.
	'Seville' is most similar to 'Benton'; however, 'Seville' has more slender pods than 'Benton'; at 8% seed 'Seville' is 98% class four sieve or less whereas 'Benton' is 35% class four sieve or less.			
9100212	Fesca		01/31/1992	Nunhems Seed Corporation
	'Fesca' is most similar to 'Labrador'; however, 'Fesca' is resistant to the beet curly top virus and to <u>Pseudomonas syringae pv phaseolicola</u> (halo blight), whereas 'Labrador' is susceptible to these pathogens.			
9100213	Modus		01/31/1992	Nunhems Seed Corporation
	'Modus' is most similar to 'Labrador'; however, 'Modus' is resistant to both <u>Pseudomonas syringae pv phaseolicola</u> (halo blight) and beet curly top virus, whereas 'Labrador' is susceptible.			
	'Modus' is also similar to 'Fesca'; however, 'Modus' is susceptible to <u>Colletotrichum lindemuthianum</u> (anthracnose), whereas 'Fesca' is resistant.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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BEAN, GARDEN (Continued)

9200052 Jade

'Jade' is most similar to 'Slenderette' and 'Slimgym'; however, 'Jade' has persistent chlorophyll in the pod and seed, whereas 'Slenderette' and 'Slimgym' do not, because they lack the PGG gene for persistent chlorophyll.

03/31/1992 Rogers NK Seed Co.

BLUEGRASS, KENTUCKY

8900085 Barsweet

'Barsweet' is most similar to 'Enmundi'; however, 'Barsweet' has glabrous margins of the leaf base whereas 'Enmundi' has pubescent margins of the leaf base.

(3) 01/31/1992 Barenbrug Holland B.V.

8900196 Ampellia

'Ampellia' is most similar to 'Baron'; however, 'Ampellia' has leaf sheaths that contain a moderate amount of anthocyanin, whereas those of 'Baron' lack anthocyanin. The rachis of 'Ampellia' is straight, whereas that of 'Baron' is bent.

(3) 01/31/1992 Cebeco Zaden B.V.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	NAME OF OWNER	
		GEN. (*)	ISSUE DATE

BEAN, GARDEN (Continued)

8900250 Minstrel
 'Minstrel' is most similar to 'Baron'; however, 'Minstrel' has medium length ligule hairs (5 vs 2; 1-9 scale; 9=longest), whereas 'Baron' has short ligule hairs. 'Minstrel' has narrower leaves (5 vs 7; 1-9 scale; 9=broadest) and less intense anthocyanin coloration in the panicle (5 vs 7; 1-9 scale; 9=most intense) than 'Baron'. 'Minstrel' differs from the above variety 'Ampellia' in having green leaf sheaths and red panicles, whereas 'Ampellia' has red leaf sheaths and green panicles.

03/31/1992 D.J. van der Have B.V.

8900251 Cocktail

'Cocktail' is most similar to 'Mystic'; however, 'Cocktail' reaches head emergence an average of 8 days later than 'Mystic'. 'Cocktail' has an average plant height 14 cm shorter (49 vs 63 cm) and an average panicle length 3 cm shorter (6 vs 9 cm) than 'Mystic'.

03/31/1992 D.J. van der Have B.V.

CARROT

8900329 Texas Gold Spike

'Texas Gold Spike' is most similar to 'Imperator 58'. 'Texas Gold Spike' differs from 'Imperator 58' in foliage length (33-41 vs 46-51 cm) and carotenoids content (165 vs 101 mg per gm fresh wt). 'Texas Gold Spike' is more resistant to Alternaria dauci (leaf blight) than 'Imperator 58'.

03/31/1992 Texas Agricultural Experiment Station

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CORN, FIELD

8900075 1538

'1538' is most similar to 'B73'. '1538' differs from 'B73' in days to 50% silk maturity (62 vs 70 days) and number of lateral tassel branches (5 vs 10).

03/31/1992 United AgriSeeds, Inc.

9100092 PHJ89

'PHJ89' is most similar to 'PHT77'. 'PHJ89' differs from 'PHT77' in cob color (white vs red) and fresh husk color (light green vs dark green).

02/28/1992 Pioneer Hi-Bred International, Inc.

9100124 29MIBZ2

'29MIBZ2' is most similar to 'Mo17Ht'. '29MIBZ2' differs from 'Mo17Ht' in plant height (179 vs 226 cm), ear height (67 vs 95 cm), and anther color (red vs yellow).

03/31/1992 Dekalb Plant Genetics

DELPHINIUM

8900328 Magic Fountains White

'Magic Fountains White' is most similar to 'Snow White' (Burpee). 'Magic Fountains White' flowers 3 to 4 weeks earlier than 'Snow White'.

02/28/1992 John Bodger & Sons Co.

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FESCUE, RED

8900061 Cindy

(3) 03/31/1992 Cebeco Zaden B.V.

'Cindy' is most similar to 'Ensylvia'; however, 'Cindy' has a more prostrate growth habit (7 vs 5; 1-9 scale; 1=erect) and less anthocyanin pigmentation in the leaf sheath (3 vs 6; 1-9 scale; 1=least pigment) than 'Ensylvia'.

8900198 Claudia

(3) 03/31/1992 Cebeco Zaden B.V.

'Claudia' is most similar to 'Ensylvia'; however, 'Claudia' has longer flag leaves (7 vs 5; 1-9 scale; 9=longest) than 'Ensylvia'. 'Claudia' differs from the above variety 'Cindy' in having a semierect growth habit, whereas 'Cindy' has a prostrate growth habit.

9200008 Molate Blue

03/31/1992 James M. Stewart, Inc./ConservaSeed

'Molate Blue' originates from a phenotypically variable native population of "California Creeping Red Fescue" found in the Bay Area of California. 'Molate Blue' differs from this native population and from other Creeping Red Fescue varieties in its distinctive blue-green mature leaf color (5 BG for 'Molate Blue' vs 5 - 7.5 GY for other Creeping Red Fescue varieties; Munsell Scale).

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LETTUCE

8900022 Capri 01/31/1992 Asgrow Seed Company
 'Capri' is most similar to 'Parris Island Cos'; however, 'Capri' differs from 'Parris Island Cos' in its plant height (368 vs 336 mm), plant weight (1434 vs 1176 g), and core length (84 vs 70 mm).

8900043 Fallgreen 02/28/1992 Ferry-Morse Seed Company
 'Fallgreen' is most similar to 'Duchesse'; however, 'Fallgreen' differs from 'Duchesse' by having a narrower head diameter (14 vs 15 cm), and slower bolting as measured by a shorter core length (2.7 vs 3.0 cm). Additionally, 'Fallgreen' is resistant to pathotype III of Bremia lactucae (downy mildew), whereas 'Duchesse' is susceptible.

8900044 Snowbird 03/31/1992 Ferry-Morse Seed Company
 'Snowbird' is most similar to 'Wintergreen'; however, 'Snowbird' is resistant to pathotype III of Bremia lactucae (downy mildew), whereas 'Wintergreen' is susceptible. Additionally, 'Snowbird' differs from 'Wintergreen' in having a longer core height. The core height of 'Snowbird' is 47 mm, whereas that of 'Wintergreen' is 41 mm.

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LETTUCE (Continued)

8900102 Target 03/31/1992 Arthur Yates & Co. Pty. Ltd.
 'Target' is most similar to 'Salinas'; however, 'Target' differs from 'Salinas' by possessing the DM Resistance Gene 11. 'Target' is resistant to pathotype III of Bremia lactucae (downy mildew), whereas 'Salinas' is susceptible to pathotype III. Additionally, 'Target' differs from 'Salinas' in frame diameter (42 vs 38 cm), head diameter (18 vs 17cm), and days to maturity (53 vs 52).

8900103 Bulls Eye 03/31/1992 Arthur Yates & Co. Pty. Ltd.
 'Bulls Eye' is most similar to 'Salinas'; however, 'Bulls Eye' differs from 'Salinas' by possessing the DM Resistance Gene 1 and 3. 'Bulls Eye' is resistant to pathotype I, II, and III of Bremia lactucae (downy mildew), whereas 'Salinas' is susceptible to pathotype II and III. In addition, 'Bulls Eye' differs from 'Salinas' in head weight (843 vs 951 g) and diameter (16.2 vs 16.8 cm). The difference between 'Bulls Eye' and 'Target' is head weight (843 g vs 995 g).

9100012 Vango 02/28/1992 Ferry-Morse Seed Company
 'Vango' is most similar to 'Vanmax'; however, 'Vango' differs in core length (5.0 vs 3.0 cm) and in core width (3.0 vs 2.8 cm).

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LETTUCE (Continued)

9100082 Red Eye Cos

'Red Eye Cos' is most similar to 'Genecorp Cos'; however, 'Red Eye Cos' differs from 'Genecorp Cos' in possessing red color (anthocyanin) in its leaves whereas 'Genecorp Cos' does not.

01/31/1992 Genecorp, Inc.

9100150 Overture

'Overture' is most similar to 'Vanmax'; however, 'Overture' is resistant to lettuce mosaic virus, whereas 'Vanmax' is susceptible. 'Overture' is also similar to 'Vango'; however, 'Vango' is susceptible to lettuce mosaic virus.

02/28/1992 Ferry-Morse Seed Company

9100243 Marvel

'Marvel' is most similar to 'Empire' and 'Jazz'; however, 'Marvel' differs from 'Empire' in having white seed, whereas 'Empire' has black seed. 'Marvel' differs from 'Jazz' in having larger frame diameter (50 vs 48 cm), core diameter (4 vs 3 cm), core length (4 vs 3 cm), and head weight (1056 vs 790 g).

02/28/1992 Genecorp, Inc.

9200022 Clemente

'Clemente' is most similar to 'Tall Guzmanne'; however, seed color of 'Clemente' is white, whereas it is black for 'Tall Guzmanne'.

03/31/1992 Royal Sluis, Koninklijke Zaaizaadbedrijven
Gebroeders Sluis, BV

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LETTUCE (Continued)

9200023 Del Rey

03/31/1992 Royal Sluis, Koninklijke Zaaizaadbedrijven
Gebroeders Sluis, BV

'Del Rey' is most similar to 'Sea Green'; however, reaction of 'Del Rey' to big vein differs from that of 'Sea Green'. Yield loss to big vein is 6% for 'Del Rey', whereas it is 27% for 'Sea Green'.

9200051 Western Red Leaf

03/31/1992 Brinker Orsetti Seed Co., Inc.

'Western Red Leaf' is most similar to 'Deep Red'; however, 'Western Red Leaf' differs from 'Deep Red' in the flowering plant parts. 'Western Red Leaf' has a red sepal and flower stem color (183A RHS Color Chart), whereas 'Deep Red' has a green sepal and flower stem color (143B RHS Color Chart).

OAT

9000076 Horicon

(2) 02/28/1992 Wisconsin Agricultural Experiment Station

'Horicon' is most similar to 'Ogle', 'Hazel', 'Centennial', and 'Dal'; however, 'Horicon' has tan kernels, whereas 'Ogle' and 'Centennial' have yellow kernels. 'Horicon' is resistant to races 13, 36, 152 and 169 of Puccinia coronata (crown rust), whereas 'Dal' is susceptible to these four races. 'Horicon' is resistant to races NA8 and NA16 of Puccinia praminis f. sp. avenae (stem rust), whereas 'Hazel' is susceptible to these two races.

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ONION

8800207 Texas Grano 438

'Texas Grano 438' is most similar to 'New Mexico Yellow Grano' and 'Texas Grano 1105Y'. 'Texas Grano 438' differs from 'New Mexico Yellow Grano' in being resistant to pink root rot, whereas 'New Mexico Yellow Grano' is susceptible. 'Texas Grano 438' differs from 'Texas Grano 1105Y' in producing thick flat bulbs, whereas 'Texas Grano 1105Y' produces flattened globes.

02/28/1992 Texas Agricultural Experiment Station

8800208 Dorada

'Dorada' is most similar to 'Ben Shemen'; however, 'Dorada' is moderately resistant to pink root rot, whereas 'Ben Shemen' is moderately susceptible.

02/28/1992 Texas Agricultural Experiment Station

PARSNIP

8900115 Andover

'Andover' is most similar to 'Harris Model'; however, 'Andover' differs from 'Harris Model' in having greater resistance to a complex of micro-organisms producing parsnip canker, with Itersonilia perplexans the principal component organism.

02/28/1992 Regents of the University of Minnesota

Grain, Inc.

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PEA

8900145 Renata (3) 01/31/1992 Cabeco Zaden B.V.
'Renata' is most similar to 'Solara'; however, the whole dry seed color of 'Renata' is creamy white (Royal Horticultural Society color 165D), whereas the whole dry seed color of 'Solara' is blue-green (Royal Horticulture Society color 138A).

8900160 Quantum 03/31/1992 Asgrow Seed Company
'Quantum' is most similar to 'Rigo'; however, 'Quantum' is moderately resistant to powdery mildew, whereas 'Rigo' is fully susceptible.

8900296 Dignity 03/31/1992 Crites-Moscow Growers, Inc.
'Dignity' is most similar to 'Venus'; however, 'Dignity' has a sieve size index of 2.7, whereas 'Venus' has a sieve size index of 3.3.

RAPE

8900136 Cobra 03/31/1992 Calgene, Inc.
'Cobra' is most similar to 'Lirodonna' and 'Ceres'. 'Cobra' differs from 'Lirodonna' in having weak leaf margin serrations and a prostrate seedling growth habit, whereas 'Lirodonna' has medium leaf margin serrations and an upright seedling growth habit.
'Cobra' differs from 'Ceres' in having an average shorter leaf length (34 vs 35 cm), petiole (18 vs 21 cm) and plant height at bloom (128 vs 135 cm) than 'Ceres'.

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9100152 IMC 144 (*) 02/28/1992 E. I. du Pont de Nemours & Co.
'IMC 144' is most similar to 'Westar'; however, 'IMC 144' is an average of 7 cm taller (129 vs 122 cm) and produces seed oil an average of 1.2 % lower (5.0 vs 6.2%) in palmitic and stearic acids than 'Westar'.

9100194 Printol (2) 02/28/1992 Cargill, Inc.
'Printol' is most similar to 'Westar'; however, 'Printol' flowers an average of 5 days (3 - 6 days) later and matures an average of 4 days (4 - 5 days) later than 'Westar'.
'Printol' has an average glucosinolate content 5.8 um/g (5.6 vs 11.4 um/g) lower than 'Westar' and an average oil content 1.9% (48.2 vs 46.3%) higher than 'Westar'. 'Printol' differs from the above variety 'IMC 144' in having anther dotting in excess of 90%, whereas 'IMC 144' has no anther dotting.

RICE

8900077 V7817 02/28/1992 RiceTec Seed (Farms of Texas Co.)
'V7817' is most similar to 'CB-801'; however, panicles of 'V7817' are exerted above the leaf canopy, whereas the panicles of 'CB-801' are below the leaf canopy.

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9100103 RT7015 02/28/1992 RiceTec, Inc.
'RT7015' is most similar to 'Lemont'; however, 'RT7015' attains 50% heading an average of 11 days (79 vs 90 days) earlier than 'Lemont'.

8900109 FFR 398 03/31/1992 FFR Cooperative
'FFR 398' is most similar to 'Mitchell'; however, 'FFR 398' differs from 'Mitchell' in:
plant height, 'FFR 398' is 9cm shorter than 'Mitchell', matures 3 days earlier, and has an
average lodging score of 1.7, whereas 'Mitchell' has a lodging score of 2.8.

007 A2543 01/31/1992 Asgrow Seed Company

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SOYBEAN (Continued)

9000008 A5979

01/31/1992 Asgrow Seed Company
'A5979' is most similar to 'Young', 'Davis', 'A6297', 'p9641' and 'DPL105'. However, 'A5979' is 8 days earlier and 20 cm shorter than 'Young' and 'Davis'; furthermore, 'A5979' is resistant to races 3 and 4 of Heterodera glycines Ichinohe (soybean cyst nematode), whereas 'Young' and 'Davis' are susceptible to both races. Also, 'A5979' is 5 days earlier and 5 cm shorter than 'A6297'. In addition, 'A5979' has a white flower color, whereas 'p9641' and 'DPL105' have a purple flower color.

9000013 Hobbit 87

(3) 02/28/1992 Ohio Agricultural Research and Development
'Hobbit 87' is most similar to 'Hobbit'; however, 'Hobbit 87' is resistant to Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot) races 1-10, 13, 14, 15, 17, 18, 21, and 22, whereas 'Hobbit' is susceptible to these pathogens.

9000014 Sprite 87

(3) 02/28/1992 Ohio Agricultural Research and Development
'Sprite 87' is most similar to 'Sprite'; however, 'Sprite 87' is resistant to races 1-10, 13, 14, 15, 17, 18, 21, and 22 of Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot), whereas 'Sprite' is susceptible to these pathogens.

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SOYBEAN (Continued)

9000039 Kenwood

(3) 03/31/1992 Iowa Agriculture and Home Economics
'Kenwood' is similar to 'Elgin 87'; however, 'Kenwood' can be differentiated from 'Elgin 87' on the basis of resistance to Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot) races 1, 4, and 7. 'Kenwood' is susceptible to races 1, 4, and 7, whereas 'Elgin 87' is resistant to these pathogens.

'Kenwood' is also similar to 'A2543'; however, 'Kenwood' is susceptible to Phytophthora megasperma (phytophthora root rot) races 1-5 and 7-9, whereas 'A2543' is resistant to these pathogens.

9000040 Marcus

(3) 03/31/1992 Iowa Agriculture and Home Economics
'Marcus' is most similar to 'Hardin'; however, they are distinguishable on the basis of the following morphological traits: white vs purple flowers; tawny vs gray pubescence; tan vs brown pods at maturity; and brown vs yellow hila, respectively.

9000045 Hayes

(2) 01/31/1992 OARDC, Ohio State University
'Hayes' is most similar to 'Amcor'; however, 'Hayes' has an imperfect black hilum and is resistant to races 1, 3, 5, 6, 7, and 8 of Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot), whereas 'Amcor' has a yellow hilum and is resistant only to race 1. In addition, 'Hayes' matures 4 to 6 days later than 'Amcor'.

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SOYBEAN (Continued)

9000118 Deltapine 878 01/31/1992 Delta & Pine Land Company
'Deltapine 878' is most similar to 'Deltapine 417'; however, 'Deltapine 878' can be differentiated from 'Deltapine 417' on the basis of resistance to root knot nematode and flower color. 'Deltapine 878' is susceptible to root knot nematode and has a purple flower, whereas 'Deltapine 417' is resistant to root knot nematode and has a white flower.

9000136 A4715 03/31/1992 Asgrow Seed Company
'A4715' is most similar to 'A4595', 'A4009', 'CX458', 'HS462', 'HS4011', 'S48-84', '9402', '9461', 'SS 487', and 'Douglas'. However, 'A4715' differs from these varieties in the following characteristics: Flower color, white vs purple for 'S48-84' and 'SS 487'; hilum color, black vs brown for 'SS487'; pod color, tan vs brown for 'CX458' and 'Douglas'; peroxidase activity, high vs low for 'SS 487'; resistance to races 1 and 2 of Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot), susceptible vs resistant for 'A4595', 'HS462', and 'Douglas'; resistance to races 3 and 4 of Heterodera glycines Ichinohe (soybean cyst nematode), resistant vs susceptible for 'A4595', 'CX458', 'HS462', '9461', 'SS 487', and 'Douglas'; maturity, 6 days later than 'A4009' and 'HS4011'.

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9000144	A2427		03/31/1992	Asgrow Seed Company
				'A2427' is most similar to 'A2943', 'AP2190', 'AP2324', 'BSR101', 'B242', and 'CX265'. However, 'A2427' is resistant to race 1 of <u>Phytophthora megasperma</u> (Drechs.) f. sp. <u>glycinea</u> , (phytophthora root rot 1), whereas 'AP2324' and 'CX265' are susceptible. Also, 'A2427' has a high peroxidase activity, whereas 'AP2324', 'BSR101', and 'B242' have a low peroxidase activity. Furthermore, 'A2427' is resistant to race 3 of <u>Heterodera glycines</u> Ichinohe (soybean cyst nematode), whereas 'A2943' and 'AP2190' are susceptible.
9000145	A2872		01/31/1992	Asgrow Seed Company
				'A2872' is most similar to 'Century 84'. 'A2872' can be differentiated by high vs low seed protein peroxidase activity, and dark vs light purple hypocotyl color, respectively.
9000151	A7258		01/31/1992	Asgrow Seed Company
				'A7258' is most closely related to 'Braxton', 'Tracy', 'P9691', and 'P9791'. However, 'A7258' can be differentiated from these varieties on the basis of the following characteristics: flower color, 'A7258' has white vs purple in 'Braxton'; plant pubescence, 'A7258' has gray vs tawny in 'Braxton', 'Tracy', and 'P9691'; root knot nematode resistance, 'A7258' is susceptible vs resistant in 'Braxton'; hilum color, 'A7258' has buff vs black in 'Tracy' and 'P9691'; pod color, 'A7258' has brown vs tan in 'P9791'; peroxidase activity, 'A7258' has low vs high in 'P9791'.

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SOYBEAN (Continued)

9000160 FFR 464 03/31/1992 FFR Cooperative
'FFR 464' is most similar to 'Mitchell'. 'FFR 464' can be differentiated on the basis of the following characteristics: flower color, white vs purple; hilum color, black vs brown; and lodging score, 2.3 vs 2.9.

9000163 S20-20 01/31/1992 Northrup King Co.
'S20-20' is most similar to 'S23-12'; however, 'S20-20' is resistant to races 1, 2, 3, and 7 of Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot), whereas 'S23-12' is susceptible to these pathogens.

9000167 S43-34 03/31/1992 Northrup King Co.
'S43-34' is most similar to 'S42-50' and 'Fayette'; however, 'S43-34' has tan pods and is resistant to races 3 and 4 of Heterodera glycines Ichinohe (soybean cyst nematode), whereas 'S42-50' has brown pods and is susceptible to these pathogens. In addition, 'S43-34' has gray pubescence and buff hila, whereas 'Fayette' has tawny pubescence and black hila.

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SOYBEAN (Continued)

9000169 Kunitz

(2) 02/28/1992 University of Illinois
'Kunitz' is most similar to 'Williams', 'Williams 79', 'Williams 82', and 'Winchester'. However, 'Kunitz' is lacking the kunitz trypsin inhibitor, whereas 'Williams', 'Williams 79', 'Williams 82', and 'Winchester' all have the kunitz trypsin inhibitor. Also, 'Kunitz' is resistant to races 1-9 of *Phytophthora megasperma* (Drechs.) f. sp. *glycinea* (phytophthora root rot), whereas 'Williams' is susceptible to races 1-9 and 'Williams 79' is susceptible to races 4 and 5.

9000170 Hamilton

(3) 01/31/1992 University of Illinois
'Hamilton' is most similar to 'Spencer'. However, 'Hamilton' has a buff hilum and gray plant pubescence, whereas 'Spencer' has a brown hilum and brown plant pubescence.

9000171 Jack

(3) 01/31/1992 University of Illinois
'Jack' is most similar to 'Elgin 87'. However, 'Jack' is resistant to races 3 and 4 of *Heterodera glycines* Ichinohe (soybean cyst nematode), susceptible to races 1 and 4 of *Phytophthora megasperma* (Drechs.) f. sp. *glycinea* (phytophthora root rot), and has a white flower, gray pubescence, and yellow hilum; whereas 'Elgin 87' is susceptible to races 3 and 4 of *H. glycines*, resistant to races 1 and 4 of *P. megasperma*, and has a purple flower, brown pubescence, and black hilum. Since 'Jack' and 'Kenwood' are both most similar to 'Elgin 87', it should be noted that 'Jack' differs from 'Kenwood' by white vs purple flowers, respectively.

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SOYBEAN (Continued)

9000182 9191 01/31/1992 Pioneer Hi-Bred International, Inc.
'9191' is most similar to 'AP200'; however, '9191' is susceptible to race 1 of
Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot), whereas 'AP200'
is resistant to this pathogen.

9000184 9241 01/31/1992 Pioneer Hi-Bred International, Inc.
'9241' is most similar to '9293', 'AP225C', 'AP240', 'HS265', and 'B236'. However, '9241'
is susceptible to race 1 of Phytophthora megasperma (Drechs.) f. sp. glycinea
(phytophthora root rot), whereas 'AP225C' and 'HS265' are resistant to this pathogen. Also,
'9241' has a brown pod color and a high peroxidase activity, whereas 'AP240' has a tan pod
color and 'B236' has a low peroxidase activity. In addition, '9241', matures 4 to 6 days
earlier than '9231'.

9000185 9273 01/31/1992 Pioneer Hi-Bred International, Inc.
'9273' is most similar to 'A2234'. However, '9234' has a high peroxidase activity,
whereas 'A2234' has a low peroxidase activity. In addition, '9273' is susceptible to
races 1-11 of Phytophthora megasperma (Drechs.) f. sp. glycinea (phytophthora root rot),
whereas 'A2234' is resistant to these pathogens.

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the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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SOYBEAN (Continued)

9000192 FFR 646

02/28/1992 FFR Cooperative
'FFR 646' is most similar to 'Hartz 6130'. However, 'FFR 646' has a white flower, a brown hilum, and a brown pod, whereas 'Hartz 6130' has a purple flower, a black hilum, and a tan pod.

9000214 H7190

02/28/1992 Jacob Hartz Seed Company, Inc.
'H7190' is most similar to 'Braxton' and 'Ransom'. However, 'H7190' has a white flower color, whereas 'Braxton' and 'Ransom' have a purple flower color.

'A7258' also lists 'Braxton' as the most similar variety; however, 'H7190' may be distinguished from 'A7258' by the flower color, white vs purple, respectively.

9000225 H639

02/28/1992 Jacob Hartz Seed Company, Inc.
'H639' is most similar to 'Davis'; however, 'H639' has a purple flower color, whereas 'Davis' has a white flower color.

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SOYBEAN (Continued)

9000263 S83-30 03/31/1992 Northrup King Co.
'S83-30' is most similar to 'Kirby', 'Coker 6738', and 'Coker 368'. However, 'S83-30' has a white flower and a gray pubescence, whereas 'Kirby' and 'Coker 6738' have a purple flower and a tawny pubescence. Also, 'S83-30' has a high seed protein peroxidase activity and is highly resistant to stem canker, whereas 'Coker 368' has a low seed protein peroxidase activity and is moderately resistant to stem canker.

9000264 S48-84 02/28/1992 Northrup King Co.
'S48-84' is most similar to 'TN4-86'; however, 'S48-84' has a brown hilum, whereas 'TN4-86' has a black hilum.

9100061 Delsoy 4500 (3) 03/31/1992 The Curators of the University of Missouri
'Delsoy 4500' is most similar to 'Corsoy'. However, 'Delsoy 4500' is resistant to race 3 of Heterodera glycines Ichinohe (soybean cyst nematode), whereas 'Corsoy' is susceptible to this pathogen.

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TOMATO

8900012 Florida 7171 03/31/1992 Florida Agricultural Experiment Station
'Florida 7171' is most similar to 'Campbell 28'; however, 'Florida 7171' is resistant to
Fusarium oxysporum f. sp. lycopersici race 2 (fusarium wilt), whereas 'Campbell 28' is
susceptible.

8900013 Florida 7060 03/31/1992 Florida Agricultural Experiment Station
'Florida 7060' is most similar to 'Suncoast'. However, 'Florida 7060' has erect leaves,
whereas those of 'Suncoast' are normal. Also, 'Florida 7060' lacks the crimson (og) gene,
which confers a more intense red color on the fruit of 'Suncoast', and renders the flowers
more orange than those of 'Florida 7060'.

8900031 Colusa 02/28/1992 Ferry-Morse Seed Company
'Colusa' is most similar to 'Peto 81'; however, the number of nodes between the first and
second inflorescences differs (0.28 vs 0.70 respectively).

8900111 Yuba 02/28/1992 Ferry-Morse Seed Company
'Yuba' is most similar to 'Colusa'; however, 'Yuba' has fruit of uniform color when
unripe, whereas in the fruit of 'Colusa' the shoulders are of different color than the
base.

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TOMATO (Continued)

8900118 Butte 02/28/1992 Ferry-Morse Seed Company
'Butte' is most similar to 'Sureset'; however, 'Butte' has type 2 leaf morphology with moderately bipinnate leaves, whereas 'Sureset' has type 3 leaf morphology with essentially no bipinnate leaves.

9000121 Micro-Tom 01/31/1992 Florida Agricultural Experiment Station
'Micro-Tom' is most similar to 'Florida Petite' and 'Red Robin'; however, 'Micro-Tom' has fruit about 1/4 the size of 'Florida Petite' and 'Red Robin'. 'Micro-Tom' also has a smaller canopy than either 'Florida Petite' and 'Red Robin'.

9100045 Sun 6095 01/31/1992 Sunseeds, Div. of Westseeds, Inc.
'Sun 6095' is most similar to 'Nema 1200', 'Apex 1000' and 'Advantage'; however, 'Sun 6095' has uniform color, whereas 'Nema 1200' and 'Apex 1000' have green shoulders. Also, 'Sun 6095' has jointed pedicel attachments, whereas 'Apex 1000' and 'Advantage' have jointless pedicel attachments. Lastly, 'Sun 6095' has a deep round shape, whereas 'Nema 1200' has a blocky shape and 'Advantage' has a rough blocky shape.

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CERT. NO.	VARIETY	NAME OF OWNER		
		GEN.	ISSUE	DATE
		(*)		

TOMATO (Continued)

9100048 NC 8276

'NC 8276' is most similar to 'Fla MH-1'; however, 'NC 8276' has the Ve gene for resistance to race 1 of Verticillium dahliae (verticillium wilt), whereas 'Fla MH-1' does not. Also, 'NC 8276' has the jointed fruit pedicel character, whereas 'Fla MH-1' does not.

9100049 NC 84173

'NC 84173' is most similar to 'Florida 7060'; however, 'NC 84173' has the n gene for nipple tip and has, in association with the n gene, adaxial leaf curl. 'Florida 7060' lacks this gene.

9100050 NC 1C

'NC 1C' is most similar to 'NY402'; however, 'NC 1C' has the Ve gene for resistance to race 1 of Verticillium dahliae (verticillium wilt), whereas 'NY402' has not. 'NC 1C' also has the j-2 gene for jointless fruit pedicel which distinguishes it from 'NY402'.

9100051 NC 2C

'NC 2C' is most similar to 'Castlette'; however, 'NC 2C' has the u gene for uniform light green fruit color, whereas 'Castlette' does not.

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CERT. NO.	VARIETY	GEN.	ISSUE	NAME OF OWNER
		(*)	DATE	

TOMATO (Continued)

9100052 Mountain Gold

01/31/1992 N. C. Agricultural Research Service
'Mountain Gold' is most similar to 'Sunray' and 'Jubilee'; however, 'Mountain Gold' has the sp gene for determinate growth habit, whereas 'Sunray' and 'Jubilee' are of indeterminate habit. Also, 'Mountain Gold' has the u gene for uniform light green fruit color of non-ripe fruit, whereas 'Sunray' and 'Jubilee' have fruit with dark green shoulders when unripe. Also, 'Mountain Gold' is resistant to races 1 and 2 of Fusarium oxysporum f. sp. lycopersici (fusarium wilt) and is resistant to Verticillium dahliae (verticillium wilt), whereas 'Jubilee' is susceptible to both races of F. oxysporum and 'Sunray' is resistant to race 1 only. In addition, both 'Sunray' and 'Jubilee' are susceptible to V. dahliae.

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES EXPIRED

JANUARY 1, 1992 TO MARCH 31, 1992

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
BEAN, GARDEN 7400060	Amigo	03/06/1992	Ferry-Morse Seed Co.
7400061	Tenderblue	03/06/1992	Ferry-Morse Seed Co.
COTTON 7400023	McNair 612	03/06/1992	Stoneville Pedigreed Seed Company, Inc.
NASTURTIUM 7200035	Whirlybird Scarlet	01/09/1992	Waller Flowerseed Co.
ONION 7300047	White Creole PRR	01/09/1992	ARCO Seed Co.
7300048	Red Creole PRR	01/09/1992	ARCO Seed Co.

CERTIFICATES EXPIRED
JANUARY 1, 1992 TO MARCH 31, 1992

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF APPLICANT
SOYBEAN 7300061	PX 181-88	03/06/1992	Pioneer Hi-Bred International, Inc.
7300064	P61-22	03/06/1992	Pioneer Hi-Bred International, Inc.
WHEAT, COMMON 7200015	Coker 68-19	03/06/1992	Northrup King Company
WHEAT, DURUM 7300074	W.S. 3	01/09/1992	World Seeds, Inc.

DESCRIPTION OF PUBLIC VARIETIES

In accordance with section 180.800 of the Plant Variety Protection Act, descriptions of "public varieties" voluntarily submitted on PVP objective description forms will be accepted for publication in the "PVP Official Journal". Publication of such descriptions in no way constitutes recognition of the variety as novel or entitles it to protection under the Plant Variety Protection Act.

The following are descriptions of public varieties of inbred corn lines developed by Dr. M. M. Goodman, Professor of Crop Science at North Carolina State University.

The "PV Number" assigned to each variety should not be construed as meaning the variety is protected under the PVP Act; it is merely the accession number of that variety in the Office's database of corn variety descriptions.

Requests for seed samples and further information about these seven cultivars should be directed to Dr. R. J. Kuhr, Director, North Carolina Agricultural Research Service, P. O. Box 7643, Raleigh, North Carolina 27695-7643.

Voluntary Field Corn Description, Variety Name: 'NC266B', PV Number: 9210166

'NC266B' is a sister line of 'NC266' and 'NC266A', with better silk-tassel nick than its sister lines. It was derived from 'B73' 2 x 'NC250'. It is similar to its sister lines in partial resistance to gray leaf spot and southern leaf blight (race O). When compared to 'B73', 'NC266B' is 3 days later. This semi-dent inbred has small kernel size and small ears. It was released in August 1991.

Breeder: Dr. M. M. Goodman, Professor of Crop Science, North Carolina State University.

Kernel Type	Dent	Leaf Length	70 cm	Husk Leaf Length	< 8 cm
Chromosome Number	Diploid	Leaves/Plant	14	Ear Shank Length	15 cm
Best Region	SE USA	Tassel Branch		No. Shank Internodes	10
Days to Mid Silk	85	Number/Plant	11	Dry Ear Position	Upright
Heat Units to Mid Silk	1713	Tassel Branch Angle	> 45 degrees	Ear Taper	Average
Days to 25% Moisture	50	Peduncle Length	5 cm	Ear Drying Time	Average
Heat to 25% Moisture	1408	Pollen Shed	Medium	Dry Kernel Length	9.6 mm
Plant Height	155 cm	Anther Color	Pink	Dry Kernel Width	6.8 mm
Ear Height	60 cm	Glume Color	Pink	Dry Kernel Thickness	4.7 mm
Internode Length	10 cm	Dry Ear Length	12 cm	Kernel Shape Grade	40-60% Rounds
Tillers/Plant	Absent	Dry Ear Diameter	35 mm	Pericarp Color	Colorless
Ears/Plant	Slight 2-ear	Dry Ear Weight	55 gm	Aleurone Color	White
Cytoplasm Type	Normal	Row Distinctness	Distinct	Endosperm Color	Yellow
Leaf Color	Medium Green	No. Kernel Rows/Ear	14	Endosperm Type	Normal
Leaf Angle	< 30 degrees	Row Straightness	Straight	Seed Weight	21 gm
Leaf Sheath Pubescence	Light	Exposed Silk Color	Green	Cob Mid Point	
Leaf Marginal Waves	Few	Fresh Husk Color	Light Green	Diameter	20 mm
Leaf Creases	Absent	Dry Husk Color	Buff	Cob Strength	Strong
Leaf Width	8 cm	Husk Extension	Barely Covering Ear	Cob Color	Pink

Plant Diseases: Resistant to gray leaf spot (caused by *Cercospora zeae-maydis*), southern leaf blight (caused by *Bipolaris maydis*) (race O), and common smut. Intermediate resistance to southern rust (caused by *Puccinia polysora*).

Voluntary Field Corn Description, Variety Name: 'NC268A', PV Number: 9210167

'NC268A' is a sister line of 'NC268', with a more pronounced tendency for prolificacy than 'NC268'. It was derived from 'B73'2 x 'NC250'. It is similar to its sister line in resistance to gray leaf spot and southern leaf blight (race O). When compared to 'B73', 'NC268A' is more resistant to southern rust, and is 5 days later. This semi-flint inbred has small kernel size and small ears. It was released in August 1991.

Breeder: Dr. M. M. Goodman, Professor of Crop Science, North Carolina State University.

Kernel Type	Dent	Leaf Length	65 cm	Husk Leaf Length	< 8 cm
Chromosome Number	Diploid	Leaves/Plant	14	Ear Shank Length	14 cm
Best Region	SE USA	Tassel Branch		No. Shank Internodes	8
Days to Mid Silk	85	Number/Plant	11	Dry Ear Position	Upright
Heat Units to Mid Silk	1754	Tassel Branch Angle	> 30 degrees	Ear Taper	Average
Days to 25% Moisture	49	Peduncle Length	4 cm	Ear Drying Time	Average
Heat to 25% Moisture	1382	Pollen Shed	Medium	Dry Kernel Length	9.6 mm
Plant Height	145 cm	Anther Color	Pink	Dry Kernel Width	6.8 mm
Ear Height	50 cm	Glume Color	Green	Dry Kernel Thickness	4.4 mm
Internode Length	9 cm	Dry Ear Length	13 cm	Kernel Shape Grade	40-60% Rounds
Tillers/Plant	Absent	Dry Ear Diameter	30 mm	Pericarp Color	Absent
Ears/Plant	Strong 2-ear	Dry Ear Weight	42 gm	Aleurone Color	White
Cytoplasm Type	Normal	Row Distinctness	Distinct	Endosperm Color	Yellow
Leaf Color	Medium Green	No. Kernel Rows/Ear	12	Endosperm Type	Normal
Leaf Angle	< 30 degrees	Row Straightness	Straight	Seed Weight	16 gm
Leaf Sheath Pubescence	Light	Exposed Silk Color	Green	Cob Mid Point	
Leaf Marginal Waves	Few	Fresh Husk Color	Light Green	Diameter	18 mm
Leaf Creases	Absent	Dry Husk Color	Buff	Cob Strength	Strong
Leaf Width	9 cm	Husk Extension	Barely Covering Ear	Cob Color	Pink

Plant Diseases: Resistant to gray leaf spot (caused by Cercospora zeae-maydis), southern leaf blight (caused by Bipolaris maydis) (race O), southern rust (caused by Puccinia polysora), and common smut.

Voluntary Field Corn Description, Variety Name: 'NC298', PV Number: 9210168

'NC298' is a yellow flint inbred line derived from a cross between two experimental lines, one from *Agroceres* 155, a tropical hybrid from Parana, Brazil, and the other from a cross of hybrid H5, from the Rockefeller program in Central America, and Pioneer X105A, from Jamaica. 'NC298' is a relatively short inbred which matures about a week later than 'B73'. It tends to silk a day or two before shedding pollen. Seed production is sparse, and the line segregates for the *Ga5* gametophyte allele, which prevents pollination by most yellow dent lines. It was released in August 1991.

Breeder: Dr. M. M. Goodman, Professor of Crop Science, North Carolina State University.

Kernel Type	Flint	Leaf Length	70 cm	Husk Leaf Length	Short
Chromosome Number	Diploid	Leaves/Plant	10	Ear Shank Length	19 cm
Best Region	SE USA	Tassel Branch		No. Shank Internodes	8
Days to Mid Silk	97	Number/Plant	11	Dry Ear Position	Upright
Heat Units to Mid Silk	1843	Tassel Branch Angle	> 30 degrees	Ear Taper	Average
Days to 25% Moisture	57	Peduncle Length	15 cm	Ear Drying Time	Average
Heat to 25% Moisture	1582	Pollen Shed	Medium	Dry Kernel Length	9 mm
Plant Height	150 cm	Anther Color	Pink	Dry Kernel Width	9 mm
Ear Height	45 cm	Glume Color	Red	Dry Kernel Thickness	6 mm
Internode Length	8 cm	Dry Ear Length	14 cm	Kernel Shape Grade	40-60% Rounds
Tillers/Plant	Absent	Dry Ear Diameter	32 mm	Pericarp Color	Absent
Ears/Plant	Strong 2-ear	Dry Ear Weight	42 gm	Aleurone Color	White
Cytoplasm Type	Normal	Row Distinctness	Distinct	Endosperm Color	Yellow
Leaf Color	Medium Green	No. Kernel Rows/Ear	12	Endosperm Type	Normal
Leaf Angle	< 30 degrees	Row Straightness	Slightly Curved	Seed Weight	27 gm
Leaf Sheath Pubescence	Medium	Exposed Silk Color	Red	Cob Mid Point	
Leaf Marginal Waves	Few	Fresh Husk Color	Light Green	Diameter	21 mm
Leaf Creases	Few	Dry Husk Color	Buff	Cob Strength	Strong
Leaf Width	11 cm	Husk Extension	Barely Covering Ear	Cob Color	White

Plant Diseases: Resistant to gray leaf spot (caused by *Cercospora zeae-maydis*), southern leaf blight (caused by *Bipolaris maydis*) (race 0), southern rust (caused by *Puccinia polysora*), maize rough dwarf virus.

Voluntary Field Corn Description, Variety Name: 'NC300', PV Number: 9210169

'NC300' is a yellow dent inbred line derived from a cross of two experimental inbreds, one developed from the Jamaican hybrid Pioneer X105A, and the other derived from a cross of two tropical hybrids, Pioneer X306B from Jamaica with H5 from the Rockefeller program in Central America. 'NC300' is slightly taller than '973' and is similar to 'NC259' in maturity. It was released in August 1991.

Breeder: Dr. M. M. Goodman, Professor of Crop Science, North Carolina State University.

Kernel Type	Dent	Leaf Length	80 cm	Husk Leaf Length	< 8 cm
Chromosome Number	Diploid	Leaves/Plant	12	Ear Shank Length	27 cm
Best Region	SE USA	Tassel Branch		No. Shank Internodes	11
Days to Mid Silk	95	Number/Plant	13	Dry Ear Position	Upright
Heat Units to Mid Silk	1790	Tassel Branch Angle	> 30 degrees	Ear Taper	Average
Days to 25% Moisture	57	Peduncle Length	17 cm	Ear Drying Time	Slow
Heat to 25% Moisture	1600	Pollen Shed	Medium	Dry Kernel Length	11 mm
Plant Height	175 cm	Anther Color	Yellow	Dry Kernel Width	10 mm
Ear Height	60 cm	Glume Color	Green	Dry Kernel Thickness	6 mm
Internode Length	8 cm	Dry Ear Length	15 cm	Kernel Shape Grade	60-80% Rounds
Tillers/Plant	Absent	Dry Ear Diameter	43 mm	Pericarp Color	Absent
Ears/Plant	Strong 2-ear	Dry Ear Weight	78 gm	Aleurone Color	White
Cytoplasm Type	Normal	Row Distinctness	Distinct	Endosperm Color	Yellow
Leaf Color	Dark Green	No. Kernel Rows/Ear	14	Endosperm Type	Normal Starch
Leaf Angle	< 30 degrees	Row Straightness	Straight	Seed Weight	55 gm
Leaf Sheath Pubescence	Medium	Exposed Silk Color	Green	Cob Mid Point	
Leaf Marginal Waves	Few	Fresh Husk Color	Light Green	Diameter	28 mm
Leaf Creases	Few	Dry Husk Color	Buff	Cob Strength	Strong
Leaf Width	3 cm	Husk Extension	Barely Covering Ear	Cob Color	White

Plant Diseases: Resistant to gray leaf spot (caused by Cercospora zeae-maydis), southern leaf blight (caused by Bipolaris maydis) (race 0), and southern rust (caused by Puccinia polysora).

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